



RF-LAMBDA

The power beyond expectations

RFMU698M2360

700MHz AWS WCS /CELL PCS Coaxial Cavity Multiple Frequency Combiner



Features

- High Isolation
- Low Insertion Loss
- Excellent Temperature Stability
- Miniaturization
- Customization available upon request

Electrical Specifications

Parameters	700MHz & AWS & WCS			CELL & PCS			Units
	Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range	698~787 1710-1755 2110-2360			817-894 1850-1995			MHz
Insertion Loss		0.45	0.5		0.45	0.5	dB
Pass Band Ripple		0.3	0.4		0.3	0.4	dB
Return loss	18			18			
Port Isolation	45			45			dB
Each port input Power	50						Watts
Operating Temperature	-25 to +70						°C
Impedance	50						Ohms
Weight	1.2						Kg
Input / Output Connector	N-Female						
Material	Aluminum						
Finishing	Black Paint						

Environment Specifications

Operational Temperature (C°)	-25 ~ +70
Storage Temperature (C°)	-40 ~ +85
Altitude	30,000 ft (Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave, 3 axis both directions

700MHz AWS WCS /CELL PCS Coaxial Cavity Multiple Frequency Combiner



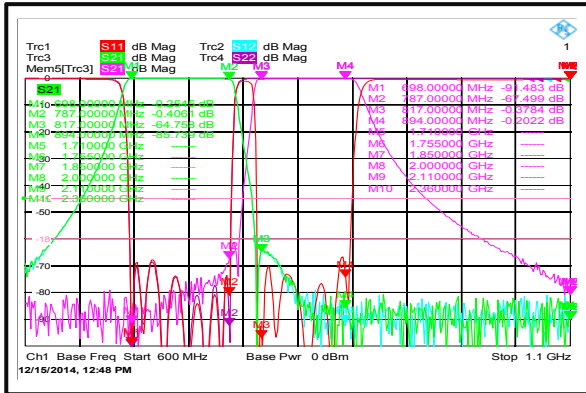
RF-LAMBDA

The power beyond expectations

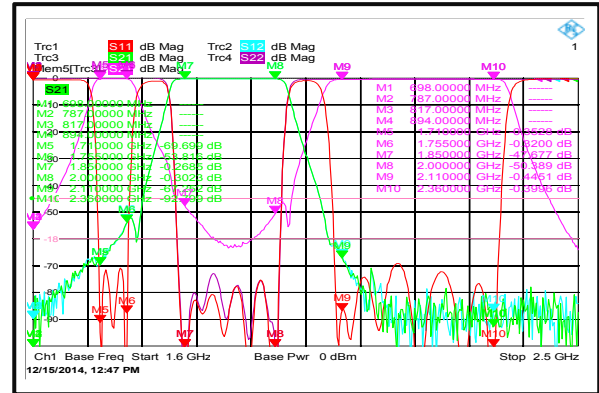
RFMU698M2360

Typical Performance Plots

700MHz & CELL VS.
loss. Return Loss. Isolation



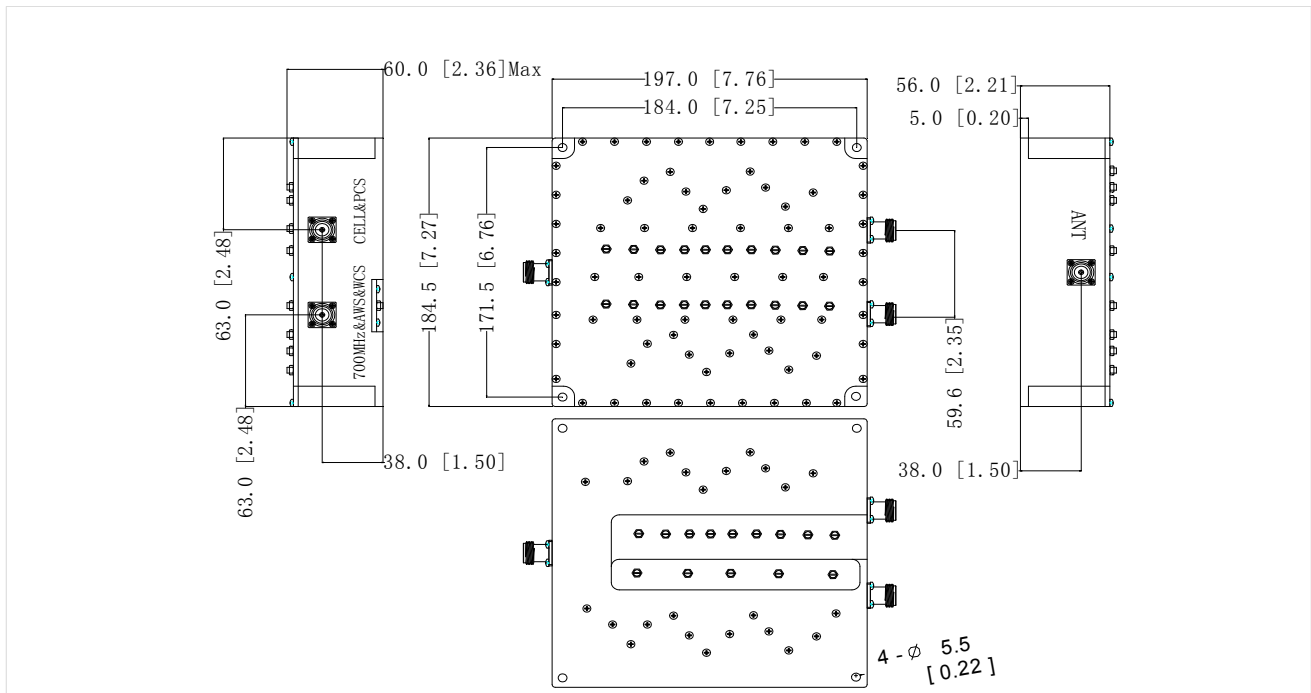
AWS& PCS&WCS VS.
loss. Return Loss. Isolation



Outline Drawing:

All Dimensions in mm (inches)

Tolerance ± 0.5 (0.02)



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information.

RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.

700MHz AWS WCS /CELL PCS Coaxial Cavity Multiple Frequency Combiner